

Water-Data Report 2011

262158081283402 Local number C 983.

Intermediate aquifer system
Hawthorn Limestone Aquifer

Collier County, FL

LOCATION.--Lat 26°22'00", long 81°28'36" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec.24, T.47 S., R.28 E., Collier County, FL, Hydrologic Unit 03090204, 30 ft north of County Road 846, 2.8 mi east of Oil Well Grade Road and 4.5 mi southwest of Immokalee.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 520 ft. Upper casing diameter 2 in.; top of first opening 480 ft, bottom of last opening 520 ft. Artesian well, open hole 480 to 520 ft.

DATUM.--Land-surface datum is 21.04 ft above National Geodetic Vertical Datum of 1929. Measuring point: 'X' mark on top of carriage bolt, 24.60 ft above National Geodetic Vertical Datum of 1929 (NGVD), July 8, 2009, to present. From Sept. 18, 2003, to July 8, 2009, measuring point was "X" mark on top of carriage bolt, 24.61 ft above NGVD. From Oct. 1, 1984, to Aug. 8, 2003, measuring point was "X" mark on top of 2-in. reducer, 21.04 ft above NGVD. From October 1, 1986 to October 2001, top of reducer was incorrectly considered to be 16.70 ft above NGVD. Prior to October 1, 1986, top of reducer was considered to be 20.68 ft above NGVD. See REMARKS.

PERIOD OF RECORD.--October 1984 to August 2003 (monthly), August 2003 to current. See REMARKS.

GAGE.--Satellite data collection platform with pressure transducer.

REMARKS.--Data from artesian wells measured with a calibrated pressure gage are considered accurate to +/- 0.1 ft. The figures of water level as elevation, in feet NGVD, from August 2003 to September 2005, and prior to October 2001 are in error. Records from August 2003 to September 2005 have been recomputed to account for equipment-related inaccuracy. A +4.34 ft correction has been applied to correct water-level data from October 1986 to September 2001. A +0.36 ft correction has been applied to correct water-level data prior to October 1986. Corrected records are in files of the U.S. Geological Survey. Extremes for the period of record have been adjusted to present datum. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.1 ft above NGVD, Nov. 25, 1987; lowest, 20.6 ft NGVD, May 28, 1985. See REMARKS. Corrected.

262158081283402 Local number C 983.—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MAXIMUM VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	34.5	34.3	34.3	34.2	34.1	34.0	33.9	33.6	33.4	33.3	33.4	33.5
2	34.5	34.3	34.3	34.2	34.1	34.0	33.9	33.5	33.4	33.3	33.4	33.6
3	34.5	34.3	34.3	34.2	34.1	34.0	33.9	33.5	33.4	33.3	33.4	33.6
4	34.4	34.4	34.3	34.2	34.1	33.9	33.8	33.5	33.4	33.3	33.4	33.6
5	34.4	34.4	34.3	34.2	34.1	34.0	33.8	33.5	33.4	33.3	33.4	33.6
6	34.4	34.2	34.2	34.3	34.1	34.0	33.8	33.5	33.4	33.3	33.4	33.6
7	34.4	34.3	34.2	34.2	34.1	34.0	33.8	33.5	33.4	33.3	33.4	33.6
8	34.4	34.3	34.2	34.2	34.0	33.9	33.8	33.5	33.3	33.4	33.4	33.6
9	34.4	34.3	34.2	34.2	34.1	33.9	33.8	33.5	33.3	33.4	33.4	33.6
10	34.4	34.3	34.3	34.2	34.1	33.9	33.8	33.5	33.3	33.4	33.5	33.6
11	34.4	34.3	34.3	34.1	34.1	33.9	33.8	33.5	33.3	33.4	33.5	33.6
12	34.4	34.3	34.3	34.1	34.0	33.9	33.8	33.5	33.3	33.4	33.5	33.6
13	34.4	34.3	34.3	34.1	34.0	33.9	33.8	33.5	33.3	33.4	33.5	33.7
14	34.4	34.3	34.2	34.1	34.0	33.9	33.7	33.5	33.3	33.4	33.5	33.7
15	34.4	34.4	34.2	34.2	34.0	33.9	33.7	33.6	33.3	33.4	33.5	33.6
16	34.4	34.4	34.2	34.2	34.0	33.9	33.7	33.5	33.3	33.4	33.5	33.6
17	34.3	34.3	34.2	34.2	34.0	33.9	33.7	33.5	33.3	33.4	33.5	33.6
18	34.4	34.3	34.3	34.2	34.0	33.9	33.7	33.5	33.2	33.5	33.5	33.6
19	34.4	34.3	34.3	34.2	34.0	33.9	33.6	33.5	33.2	33.5	33.5	33.6
20	34.4	34.3	34.2	34.2	34.0	33.9	33.6	33.5	33.3	33.4	33.5	33.6
21	34.4	34.3	34.2	34.2	34.0	33.9	33.6	33.5	33.3	33.4	33.5	33.6
22	34.3	34.3	34.2	34.2	34.0	33.9	33.6	33.5	33.3	33.4	33.5	33.6
23	34.3	34.3	34.2	34.1	34.0	33.9	33.6	33.5	33.3	33.4	33.5	33.6
24	34.3	34.3	34.2	34.1	34.0	33.9	33.6	33.5	33.3	33.4	33.5	33.7
25	34.3	34.3	34.2	34.1	34.0	33.9	33.6	33.5	33.3	33.5	33.6	33.7
26	34.3	34.3	34.2	34.2	34.0	33.9	33.6	33.5	33.2	33.5	33.5	33.7
27	34.3	34.3	34.2	34.1	34.0	33.9	33.6	33.5	33.2	33.4	33.6	33.7
28	34.3	34.3	34.1	34.1	34.0	33.9	33.6	33.5	33.2	33.4	33.6	33.7
29	34.3	34.3	34.2	34.1	---	33.9	33.6	33.5	33.3	33.4	33.5	33.7
30	34.3	34.3	34.2	34.1	---	33.9	33.6	33.4	33.3	33.5	33.5	33.7
31	34.3	---	34.2	34.1	---	34.0	---	33.4	---	33.4	33.5	---
Mean	34.4	34.3	34.2	34.2	34.0	33.9	33.7	33.5	33.3	33.4	33.5	33.6
Max	34.5	34.4	34.3	34.3	34.1	34.0	33.9	33.6	33.4	33.5	33.6	33.7
Min	34.3	34.2	34.1	34.1	34.0	33.9	33.6	33.4	33.2	33.3	33.4	33.5

262158081283402 Local number C 983.—Continued

